

KG22-0878-04

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Report No. : KG22-0878-04

Client : B&Tech

Address : 4dong, 48-5 Golden Root-ro 66beon-gil, Jchon-myeon, Gimhae-si,
Gyeongsangnamdo, Korea

Sample name : RC-PRIME

Test item : Weight reduction performance

Test method : Specifications presented by the client

Test site : Reference the above address

Measuring instrument : Electric Balance

(Correction report No, Kyeong-do Hiteh Co., Ltd 22-0613-1)

Received date : 2022. 08. 01.

Testing period : 2022. 08. 03. ~ 2022. 08. 04.

Issued date : 2022. 08. 19.

Use of report : Submission of documents (Performance validation)

Test results : For further details, Please refer to following pages

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TEST REPORT

■ Test Results

1. **Test Content** : Evaluation of weight loss performance of fermentation-type household food waste reducer
2. **Test Methods** (Specifications presented by the client)
: Standards for food waste reduction and treatment facilities -1 (KTL-B-959)
In accordance with item 4.1 (fermentation performance) of food waste reduction equipment
3. **Test Equipment** : RC-PRIME
4. **Test Environment** : Temperature / 21 ± 2 °C, Humidity / 55 ± 5 % R.H
5. **Composition of food waste** unit : g

Rice	Tofu	Napa cabbage	Fish cake	Total quantity
300	250	250	200	1,000

6. Test Results

	Test methods & Results	Weight (kg)
Day 1	Fermentation reducer total weight with activated microbial agent (A) = Fermentation reducer + Microbial agent	11.23
	Total weight after 1.0 kg of sample (food waste) is added to the fermentation reducer containing activated microorganisms (B) = Fermentation reducer + Microbial agent + Food waste	12.22
Day 2	Weight measured after 24 hours of food waste input (C) = Fermentation reducer + Microbial agent + 24 hour fermented food waste	11.27
	Actual input weight = B - A	0.99
	Reduced weight = B - C	0.95
	Weight reduction performance⁽¹⁾ = $0.95 / 0.99 \times 100 = 96.0$ %	

$$(1) \text{ Weight reduction performance (\%)} \\ = (B - C) / (B - A) \times 100$$

- The End -